

Bidirectional sugar transporter SWEET13 (SWEET13), Recombinant Protein

Cat RP08646

Size 0.02 mg/ 0.1 mg/ 5x0.1 mg

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Bidirectional sugar transporter SWEET13 (SWEET13)

Product Gene Name

SWEET13 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MALTNNLWAF VFGILGNIIS FVVFLAPVPT FVRICKKKST EGFQSLPYVS ALFSAMLWIY YAMQKDGTAF
LLITINAFGC VIETIYIVLF VSYANKKTRI STLKVLLN FLGFAAIVLV CELLTKGSTR EKVLGGICVG
FSVSVFAAPL SIMRVVVRTR SVEFMPFSLS LFLTISAVTW LFYGLAIKDF YVALPNVLGA FLGAVQMILY
IIFKYYKTPV AQKTDKSKDV SDHSIDIAKL TTVIPGAVLD SAVHQPPALH NVPETKIQLT EVKSQNMTDP
KDQINKDVQK QSQV

Sequence Positions

1-294aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

32,504 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Bidirectional sugar transporter

NCBI Accession

NP_199893.1

NCBI GI

15241278

NCBI GenBank Nucleotide

NM_124458.1

NCBI GenelID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.02 mg/ 0.1 mg/ 5x0.1 mg

835152

NCBI Official Full Name

bidirectional sugar transporter SWEET13

NCBI Official Symbol

AT5G50800

NCBI Official Synonym Symbols

K7B16.1; K7B16_1

NCBI Protein Information

bidirectional sugar transporter SWEET13

UniProt Gene Name

SWEET13

UniProt Synonym Gene Names

AtSWEET13

UniProt Protein Name

Bidirectional sugar transporter SWEET13

UniProt Synonym Protein Names

Protein SUGARS WILL EVENTUALLY BE EXPORTED TRANSPORTERS 13

UniProt Entry Name

SWT13_ARATH

UniProt Primary Accession #

Q9FGQ2

UniProt Secondary Accession #

Q8LAZ2

UniProt Related Accession #

Q9FGQ2

UniProt Comments

Mediates both low-affinity uptake and efflux of sugar across the plasma membrane. Involved in nurturing the male gametophyte (PubMed:25988582).

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